

## DETAILED ACTION

### *Specification*

1. The abstract of the disclosure is objected to because the sentence in page 6, lines 13-14 is incomplete. Correction is required. See MPEP § 608.01(b).

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-4, and 10-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Ono (7,119,851).

Regarding claim 1, Ono discloses a real-time rendering step (16, 18, 20), a non real-time rendering step (32, 34, 36), and a multiplexing step (22). The video data stream includes both non-contiguous and contiguous segments. The harddrive storage HDD 30 stores video signal from source 14. The stored video data can be retrieved and reproduced by pressing one of the control buttons on remote control as shown in Figure 2. For instance, if fast forward button 90 is pressed, the video data would be retrieved in a faster manner than it normally would. Thus, as shown in Figure 6C, the video HDD can have a faster frame rate than the CH6 video when the fast forward button is pressed.

Regarding claims 2-4, see Figures 6A-6C.

Regarding claim 10, Ono includes an audio signal.

Regarding claim 11, see rejections above.

Regarding claim 12, Ono's apparatus is rendered by a computer program (note Figures 4 and 5).

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 5, 6, 8, 9, and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ono (7,1119,851).

Regarding claims 5, 6, 8, 9, and 14, Ono does not disclose the bar providing step and the bar indicating step as claimed. The Examiner takes Official Notice that using a bar graph to meter a measurement is well known in the art. For instance, conventional software multimedia recorders and players use bar graphs, such as time scales and playback directions, to indicate the instant position and direction of the playback or recording operation. These graph indicators enable the user to recognize and identify a system operation status visually and instantaneously, which translates efficiency. Hence, in order to further to enhance the system of Ono, it would have been obvious to one of ordinary skill in the art at the time that the invention was made to include the well known time scale bar graphs into Ono to perform the well known function as claimed.

***Response to Arguments***

6. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Lee whose telephone number 571-272-7349. The examiner can normally be reached on Monday through Thursday from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran, can be reached on 571-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/M. Lee/  
Primary Examiner  
Art Unit 2622